

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2328	(thermoplastic polyamide polycarbonate pvdf ptfe fluoropolymer polyolefin polyethylene polypropylene liquid adj crystalline adj (polymer polyester)) and carbon adj fiber and carbon adj black and (wt weight volume) near2 ('%' percent part ratio \$2%) and (static adj dissipat\$6 ESD electro\$2magnetic shield\$4 antistatic)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:36
S2	321	S1 and carbon adj fiber same (wt weight volume) near2 ('%' \$2% percent part ratio) and carbon adj black same (wt weight volume) near2 ('%' \$2% percent part ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:38
S3	89	S1 and liquid adj crystalline adj (polyester polymer)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:38
S4	204	liquid adj crystalline adj (polyester polymer) and carbon adj fiber and carbon adj black and (wt weight volume) near2 ('%' percent part ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:39
S5	66	(thermoplastic polyamide polycarbonate polyolefin polyethylene polypropylene liquid adj crystal\$5 adj (polymer polyester)) and carbon adj fiber and carbon adj black and (static adj dissipat\$6 ESD electromagnetic shield\$4 antistatic)	EPO; JPO; DERWENT	OR	ON	2005/09/29 09:39
S6	10	S5 and (wt weight volume) near2 ('%' percent part ratio)	EPO; JPO; DERWENT	OR	ON	2005/09/29 09:39
S7	29	(thermoplastic.clm. liquid adj crystalline.clm. ) and carbon adj fiber.clm. and carbon adj black.clm. and volume.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:40
S8	33	waggoner near2 marion.in. william near2 hassink.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:41
S9	17	S8 and (carbon adj black and carbon adj fiber static antistatic)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:41

S10	45	US-4864013-\$.DID. OR US-4868278-\$.DID. OR US-4882410-\$.DID. OR US-4999416-\$.DID. OR US-5015721-\$.DID. OR US-5015722-\$.DID. OR US-5025082-\$.DID. OR US-5086158-\$.DID. OR US-5102935-\$.DID. OR US-5110896-\$.DID. OR US-5143956-\$.DID. OR US-5820788-\$.DID. OR US-4269965-\$.DID. OR US-4272625-\$.DID. OR US-4370466-\$.DID. OR US-4383105-\$.DID. OR US-4447592-\$.DID. OR US-4522974-\$.DID. OR US-4664972-\$.DID. OR US-4684712-\$.DID. OR US-4727129-\$.DID. OR US-4727131-\$.DID. OR US-4728714-\$.DID. OR US-4749769-\$.DID. OR US-4762907-\$.DID. OR US-4778927-\$.DID. OR US-4816555-\$.DID. OR US-4849499-\$.DID. OR US-4847626-\$.DID. OR US-4851496-\$.DID. OR US-4851497-\$.DID. OR US-3991013-\$.DID. OR US-4048148-\$.DID. OR US-4075262-\$.DID. OR US-4083829-\$.DID. OR US-4122070-\$.DID. OR US-4130545-\$.DID. OR US-4153779-\$.DID. OR US-4169933-\$.DID. OR US-4159365-\$.DID. OR US-4184996-\$.DID. OR US-4189549-\$.DID. OR US-4232143-\$.DID. OR US-4245082-\$.DID. OR US-4256624-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:41
S11	8	S10 and (polyamide polycarbonate polyolefin thermoplastic liquid adj crystalline) and carbon adj fiber and carbon adj black	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 09:42

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## Polycarbonate/ABS Alloy

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Specific Gravity	1.14
Shrinkage,in/in,1/8 in. thick	0.0060
Shrinkage,in/in,1/4 in.thick	0.0070
Water Absorption,% 24hrs	0.150
MECHANICAL	
Impact,Izod,Notched (Ft-Lb/In)	8.00
Impact,Izod,Unnotched(Ft-Lb/In)	NO BREAK
Tensile Strength (Psi)	750
Tensile Elongation (%)	100.000
Tensile Modulus (Psi x E+6)	0.34
Flexual Strength (Psi)	12,000
Flexural Modulus (Psi x E+6)	0.34
Compressive Strength (Psi)	NA
Hardness (Rockwell R)	116.0
ELECTRICAL	
Dielectric Strength (V/Mil)	400
Dielectric Constant(@ 1 MC dry)	3.00
Dissipation Factor(@ 1 MC dry)	0.008
Arc Resistance (sec)	NA
Volume Resistivity(ohm-cm)10E##	16.0
THERMAL	
Heat Deflection Temp 264 psi(F)	230
Heat Deflection Temp 66 psi(F)	250
Flammability	HB
Thermal Expansion (In/In/F)x E-5	4.000
Thermal Conductivity	1.3
WEAR	
Wear Factor	NA
U L yellow card	NO

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